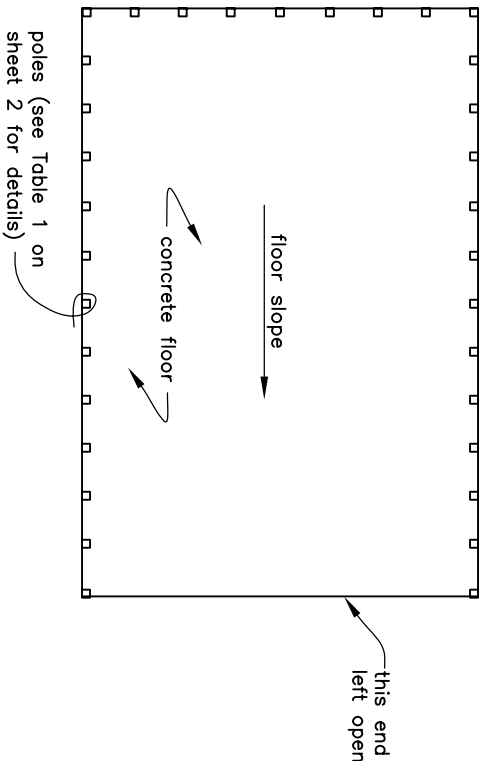
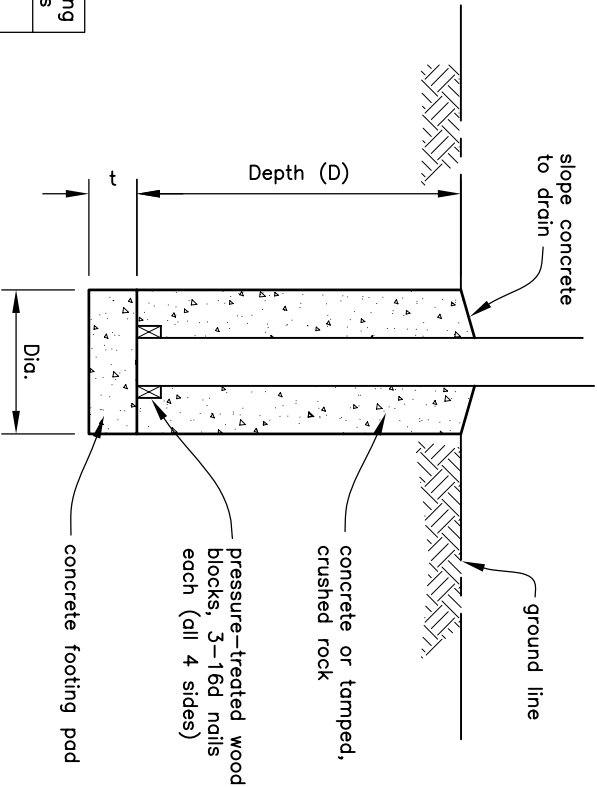


HALF CROSS SECTION

(structure is symmetrical about Q)



WALL ENCLOSURE LAYOUT DETAIL

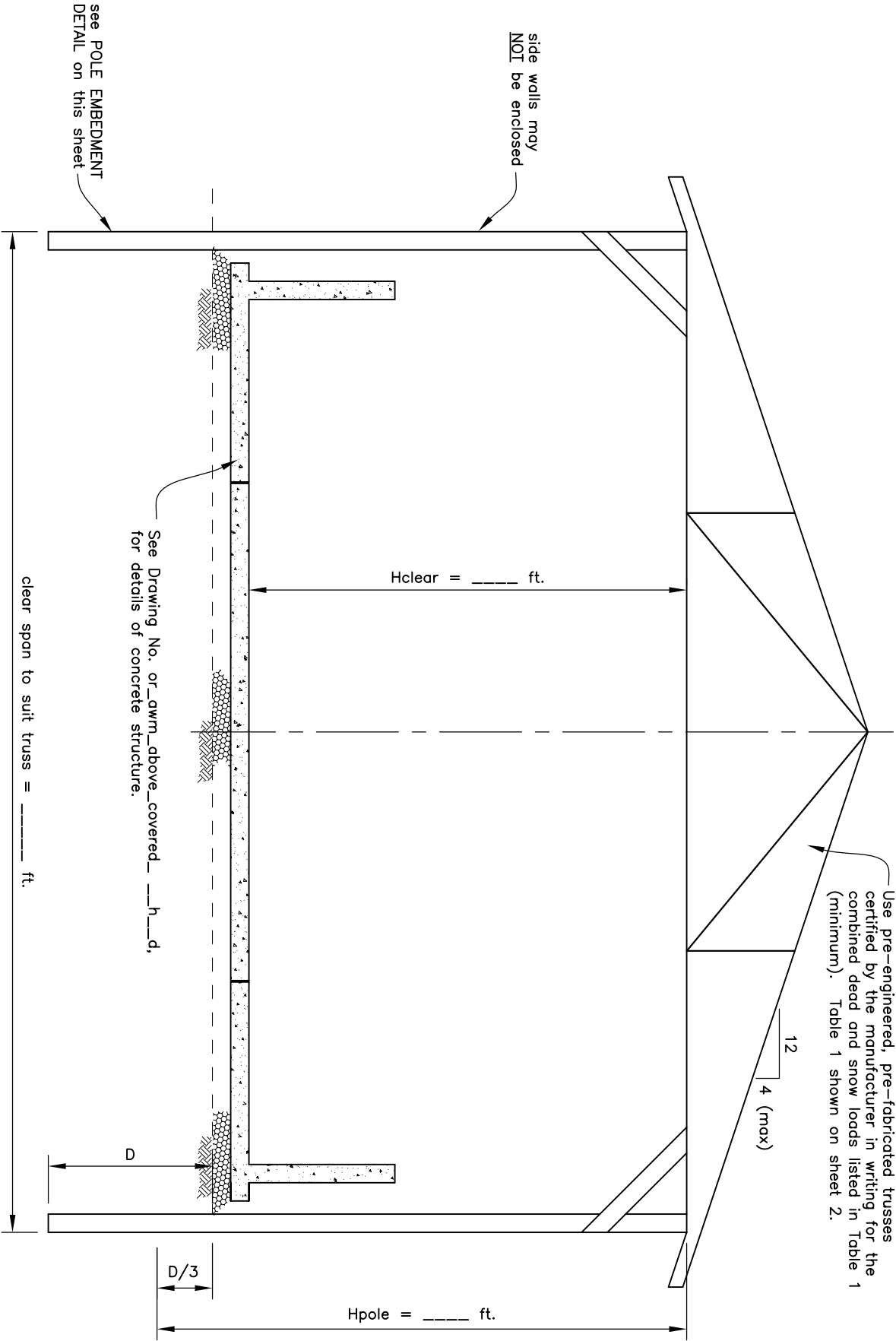


Concrete Footing Pad Thickness	
Dia.	t
18"	6"
24"	8"
>24"	10"

POLE EMBEDMENT DETAIL

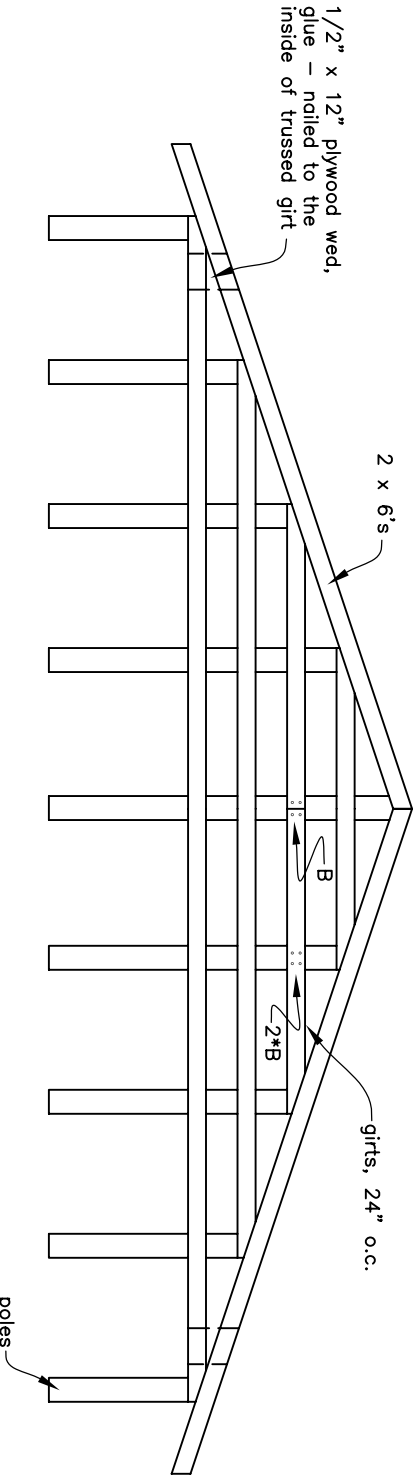
(not to scale)

(see Table 1 on sheet 2 for details)



TYPICAL SECTION

(STEEL NOT SHOWN)



SOLID ENDWALL DETAIL

(OPTIONAL)

1/2" x 12" plywood wed,
glue – nailed to the
inside of trussed girt

STANDARDIZED DESIGNS—MUST BE
ADAPTED TO THE SPECIFIC SITE

DRAWING NOT TO SCALE

Practice Code _____ Job Class _____

WASTE STACKING FACILITY
ABOVE GROUND – COVERED – POLES EMBEDDED IN GROUND
_____ FT. STORAGE DEPTH

	Date
Designed <u>B. Doerge</u>	<u>6/94</u>
Drawn <u>kyasumiishi</u>	<u>6/94</u>
Checked _____	_____
Approved <u>Roy Bright</u>	_____
Title <u>State Conservation Engineer</u>	_____



Natural Resources Conservation Service
United States Department of Agriculture

File Name
OR_AWS_ABOVE_
COVERED_EMBED.DWG
Drawing No.

TABLE 1

STRUCTURE DIMENSIONS

Clear Height: Hclear= _____ft.
Clear Span: Span = _____ft.
Roof Slope: S = _____ in 12

Knee Brace to Pole (Detail A)
_____ - 3/4 in. dia. bolt(s) and
4 - 16d nails

Dead Load: DL = _____psf
Snow Load: SL = _____psf
Wind Speed: V = _____mph
Exposure: Sheltered

POLE SPECIFICATIONS
Size: _____in x _____in
(specify actual dimensions)

Spacing: _____ft.
Pole Height:Hpole = _____ft.

Species: _____

Grade: _____

KNEE BRACE SPECIFICATIONS

Size: 2 in x _____ in, nominal

Species: Douglas Fir – Larch

Grade: No. 2 or better

PURLINS

Size: 2 in x _____ in, nominal

Position: flat on edge (circle one)

Spacing: 24 in. o.c.

Species: Douglas Fir – Larch

Grade: No. 2 or better

GIRTS

Size: 2 in x 6 in, nominal

Spacing: 24 in. o.c.

Species: Douglas Fir – Larch, No. 2 or better

Max. Spacing for Girt Supports: _____ft.

FASTENERS

Knee Brace to Pole (Detail A)
_____ - 3/4 in. dia. bolt(s) and
4 - 16d nails

Knee Brace to Truss (Detail B)
_____ - _____in. dia. bolt(s) and
2 - 12d or 16d nails

Corbel Block to Pole

_____ - 3/4 in. dia. bolt(s) and
_____ - _____d nails (spaced evenly)

Truss to Pole (Detail C)

_____ - 3/4 in. dia. bolt(s) and
_____ - _____d nails
_____ lbs. extra uplift capacity needed
(half on each side of pole)

Purlin Fasteners

_____ - 16d nails (A)
_____ - 16d nails (B)

Framing Anchor Uplift Capacity: _____lbs.

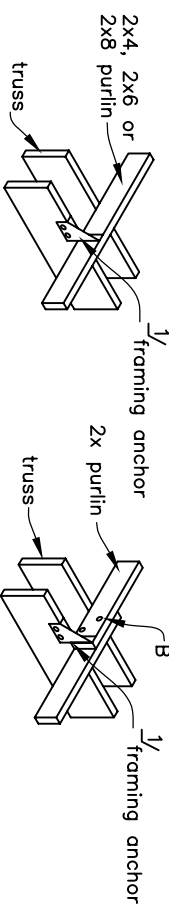
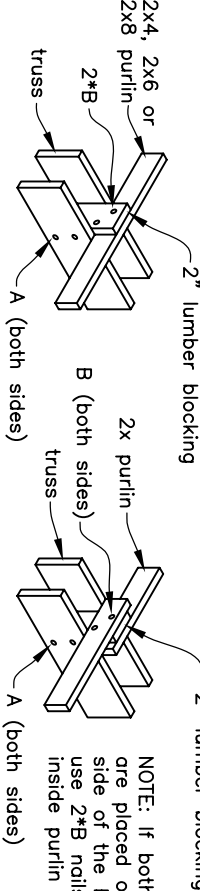
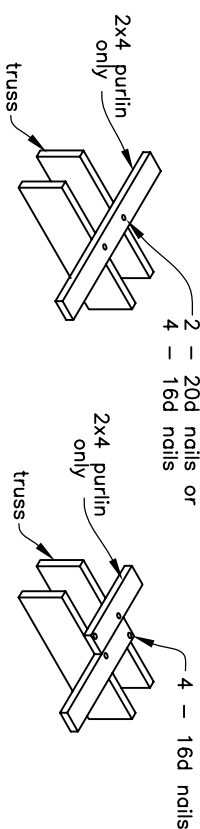
Girt Fasteners

_____ - _____d nails (B)

POLE EMBEDMENT

Depth: _____ft.

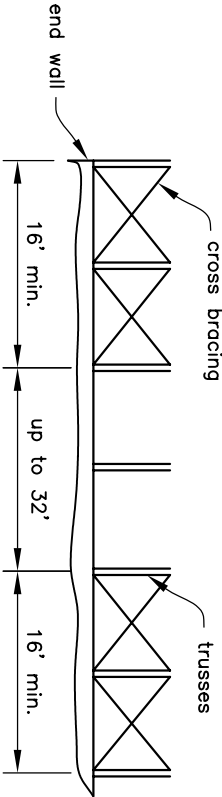
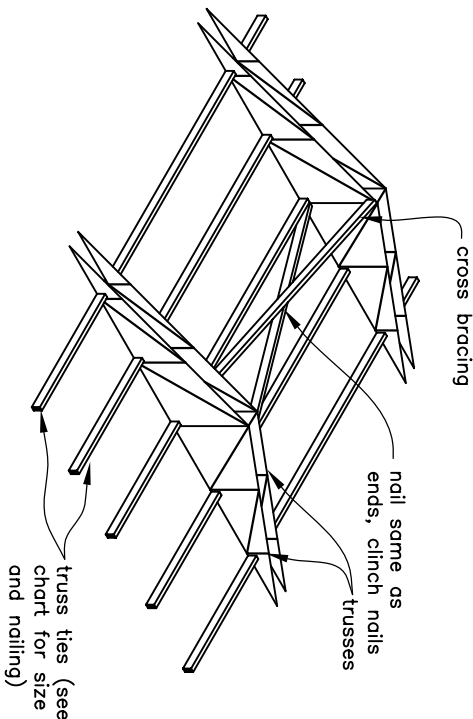
Diameter: _____ft.



PURLIN DETAILS

(see Table 1 for details)

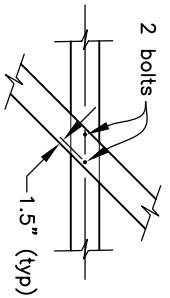
NOTE: Poles shall be pressure-treated with ACA, ACZA, CCA, or similar waterborne compounds at a minimum net retention rate of 0.60pcf.



WINDBRACING: Brace and anchor the trusses as they are placed. Bottom chord stiffeners as required at panel points unless a rigid ceiling is to be installed. Use crossbracing in all buildings.

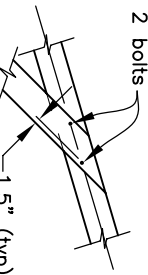
WINDBRACING DETAIL

TRUSS TIES AND CROSS BRACING			
truss spacing	size	nails each end	
4 ft	2" x 4"	2 - 16d	
8 ft	2" x 6"	3 - 16d	
12 ft	2" x 8"	4 - 16d	



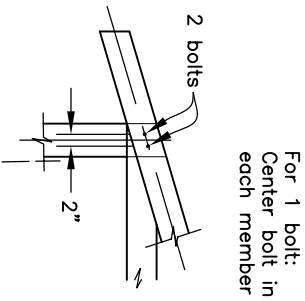
For 1 bolt: Center bolt in each member

LOWER CONNECTION



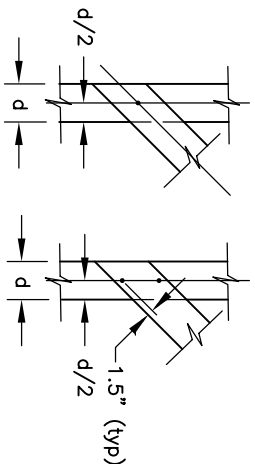
For 1 bolt: Center bolt in each member

UPPER CONNECTION

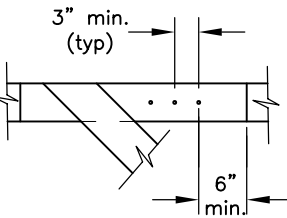


Two bolts may be used only with 6x8 or larger pole

TRUSS TO POLE CONNECTION

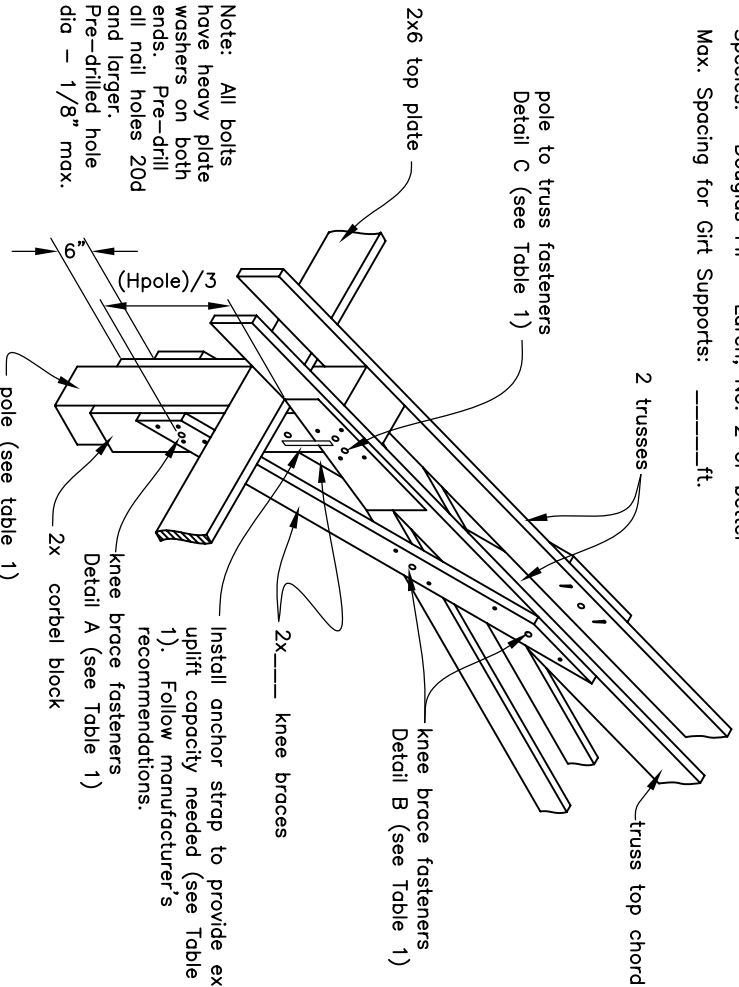


POLE TO KNEE BRACE CONNECTION

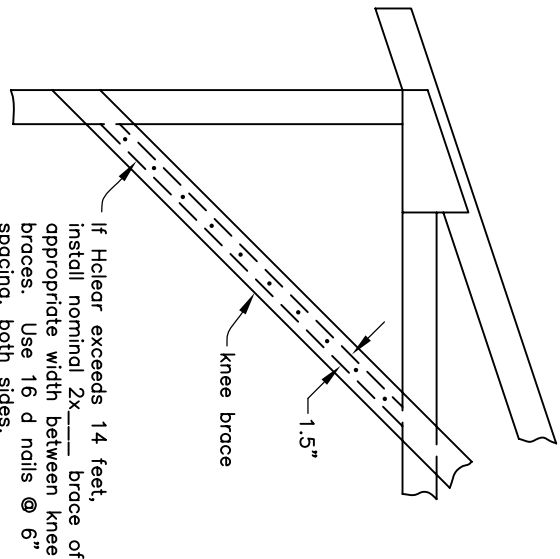


POLE TO CORBEL BLOCK CONNECTION

Note: All bolts have heavy plate washers on both ends. Pre-drill all nail holes 20d and larger. Pre-drilled hole dia - 1/8" max.



TRUSS/POLE DETAIL



KNEE BRACE DETAIL

(Hclear > 14 ft.)

BOLT PLACEMENT DETAILS

DRAWING NOT TO SCALE

WASTE STACKING FACILITY
ABOVE GROUND – COVERED – POLES EMBEDDED IN GROUND
_____ FT. STORAGE DEPTH



Date	6/94
Designed	B. Doerge
Drawn	kyasumiishi
Checked	
Approved	
Title	

File Name
OR_AWS_ABOVE
COVERED_EMBED.DWG
Drawing No.